

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/084325 A1

(51) International Patent Classification⁷: **H01L 51/30**,
C09K 11/06, H05B 33/14, C07F 5/02

N16 7SB (GB). **PRICE, Richard** [GB/GB]; Garden Flat,
5 Raleigh Road, London, N8 0JB (GB). **SURENDRAKU-**
MAR, Sivagnanasumdrum [GB/GB]; 16, Nolton Place,
Edgware, Middlesex, HA8 6DL (GB).

(21) International Application Number:
PCT/GB2004/001079

(74) Agent: **COHEN, Alan, Nicol**; 2 Grove Place, Tatsfield,
Nr. Westerham, Kent TN16 2BB (GB).

(22) International Filing Date: 12 March 2004 (12.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0306097.7 15 March 2003 (15.03.2003) GB

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **ELAM-T LIMITED** [GB/GB]; Lbic 11-20 Innova Park, Mollison Avenue, Enfield, EN3 7XU (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KATHIRGA-MANATHAN, Poopathy** [GB/GB]; The Little Lancaster House, 1 Lancaster Road, North Harrow, HA2 7NN (GB). **KIRKHAM, Matthew, Samuel** [GB/GB]; 22 Fortescue Avenue, Twickenham, TW2 5LS (GB). **LAY, Alexander, Kit** [GB/GB]; 64 Norton Road, Reading, RG1 3QJ (GB). **GANESHAMURUGAN, Subramaniam** [LK/GB]; 135 Anthill Road, South Tottenham, London, N15 4BB (GB). **PARAMASWARA, Gnanamoly** [LK/GB]; 19 Southway, Totteridge, London, N20 8EB (GB). **KUMARAVERL, Muttulingam** [GB/GB]; 9 Fraser Road, Greenford, Middlesex, UB6 7AH (GB). **PARTHEEPAN, Arumugam** [GB/GB]; 26 Eldertree Way, Mitcham, Surrey, CR4 1AG (GB). **SELVARANJAN, Selvadurai** [GB/GB]; 285A Malden Road, Sutton, Surrey, SM3 8ET (GB). **AN-TIPAN-LARA, Juan** [CL/GB]; 29 Jenner Road, London,

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELECTROLUMINESCENT BORON COMPLEXES

(57) Abstract: Novel boron complexes are blue emissive electroluminescent compounds.



WO 2004/084325 A1